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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/874,283	06/06/2001	Akira Kudo	1359.1049	6300

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STAAS & HALSEY LLP  
SUITE 700  
1201 NEW YORK AVENUE, N.W.  
WASHINGTON, DC 20005

EXAMINER
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NGUYEN, VAN H

ART UNIT	PAPER NUMBER
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2194

DATE MAILED: 08/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/874,283

Applicant(s)

KUDO ET AL.

Examiner

VAN H. NGUYEN

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 3/22/05.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1,3,4,6-11,13,14,16,17 and 19-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3,4,6-11,13,14,16,17 and 19-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☒ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

1. Claims 1, 3, 4, 6-11, 13, 14, 16, 17, and 19-23 are presented for examination.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3, 4, 6-11, 13, 14, 16, 17, and 19-23 are rejected under 35 U.S.C. 102(b) as being anticipated by **Dao et al.** (US 5,596,744).

**As to claim 23**, Dao teaches (see the Abstract and col.5, line 47-col.6, line 4) the invention as claimed including a collaboration apparatus (a federated architecture and system...integrated access) between information processing systems (information systems) for allowing a plurality of information processing means (allowing transparent access) including information processing means based on different (different/heterogeneities) architectures to collaborate (integrate) with each other, the apparatus being implemented as an object (a uniform interface) to be operated singly, and comprising:

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role object generating means for generating a role object as an active role (an active role) with respect to one of two information processing means to be collaborated, and a role object as a passive role (passive role) with respect to the other (col.4, lines 21-26); and

relating object generating means for referring to collaboration information and generating a relating object that allows transaction communication to be performed in accordance with a communication method between the two information processing means to be collaborated (for each Database Management System....provide mapping...common features of relational databases...can be shared between the LIM for each otherwise incompatible database; col.8, lines 29-41).

**As to claim 9**, note the rejection of claim 23 above. Claim 9 is the same as claim 23, except claim 9 is a computer-readable recording medium claim and claim 23 is an apparatus claim.

**As to claim 1**, the rejection of claim 23 above is incorporated herein in full. Additionally, Dao further teaches collaboration information storage means for storing information on a communication method between the information processing means as collaboration information among the plurality of information processing means (col.10, line 26-col.11, line 9).

**As to claim 3**, Dao teaches the communication method is selected from, among other things, batch communication (BATCH; see fig.6).

**As to claim 4**, the rejection of claim 23 above is incorporated herein in full. Additionally, Dao further teaches collaboration information storage means for storing information on a communication method between the information processing means as

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collaboration information among the plurality of information processing means (col.10, line 26-col.11, line 9); and information identification object generating means for generating an information identification object that determines information to be stored in a storage apparatus of each information processing means (col.11, lines 9-23).

**As to claim 6**, refer to claim 3 above.

**As to claim 7**, the rejection of claim 23 above is incorporated herein in full.

Additionally, Dao further teaches collaboration information storage means for storing information on a communication method between the information processing means as collaboration information among the plurality of information processing means (col.10, line 26-col.11, line 9); and a collaboration apparatus between information processing systems for referring to the collaboration information of the collaboration information storage means and allowing the information processing means to collaborate with each other (see the Abstract and col.5, line 47-col.6, line 4).

**As to claim 8**, the rejection of claim 23 above is incorporated herein in full.

Additionally, Dao further teaches collaboration information storage means for storing information on a communication method between the information processing means as collaboration information among the plurality of information processing means (col.10, line 26-col.11, line 9); a collaboration apparatus between information processing systems for referring to the collaboration information of the collaboration information storage means and performing unified management of data managed in duplicate by the information processing means, the apparatus being implemented as an object to be operated singly (see the Abstract and col.5, line

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47-col.6, line 4); and information identification object generating means for generating an information identification object that determines information to be stored in a storage apparatus of each information processing means (col.11, lines 9-23).

**As to claim 10**, the rejection of claim 23 above is incorporated herein in full.

Additionally, Dao further teaches processing of generating an information identification object that determines information to be stored in a storage apparatus of each information processing means (col.11, lines 9-23).

**As to claim 11**, the rejection of claim 23 above is incorporated herein in full.

Additionally, Dao further teaches storing information on a communication method between the information processors as collaboration information among the plurality of information processors (col.10, line 26-col.11, line 9).

**As to claim 13**, refer to claim 3 above.

**As to claim 14**, the rejection of claim 23 above is incorporated herein in full.

Additionally, Dao further teaches generating an information identification object that determines information to be stored in each of the plurality of information processors (col.11, lines 9-23).

**As to claim 16**, refer to claim 3 above.

**As to claim 17**, the rejection of claim 23 above is incorporated herein in full.

Additionally, Dao further teaches storing information on a communication method between the information processors as collaboration information among the plurality of information processors (col.10, line 26-col.11, line 9).

**As to claim 19**, refer to claim 3 above.

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**As to claim 20**, the rejection of claim 23 above is incorporated herein in full.

Additionally, Dao further teaches generating an information identification object that determines information to be stored in each of the plurality of information processors (col.11, lines 9-23).

**As to claim 21**, Dao teaches timing information on timing of passing of information between the plurality of information processors (col.7, line 60-col.8, line 5).

**As to claim 22**, refer to claim 3 above.

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 1, 3, 4, 6-11, 13, 14, 16, 17, and 19-23 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

5. A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

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CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry or a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: (571) 272-2100.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN H. NGUYEN whose telephone number is (571) 272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM - 6:00PM. The examiner can also be reached on alternative Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Meng-Ai An can be reached on (571) 272-3756.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**Any response to this action should be mailed to:**  
**Commissioner for patents**  
**P O Box 1450**  
**Alexandria, VA 22313-1450**

vhn

  
MENG-AI AN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100